#4

OIPE JC08?
JAN 07 2002
PATENT & TR. DR MACK OFFICE

TECH CENTER 1600/2900   JAN 2 4 2002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Confirmation No.: 2800
Lieven Stuyver	
Joost Louwagie	Group Art Unit: 1656
Rudi Rossau	
	Examiner: To be assigned
Serial No.: 09/943,983	
	Atty. Dkt. No.: 11362.0008.DV US02
Filed: August 31, 2001	
For: METHOD FOR DETECTION OF DRUG-	
INDUCED MUTATIONS IN THE	
REVERSE TRANSCRIPTASE GENE	

TECHNOLOGY CENTER 2800   JAN 22 2002   RECEIVED

STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.825(a) AND (b) AND STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.821(g)

BOX SEQUENCE
Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith is a substitute computer readable form and a substitute paper copy of

the sequence listing of those sequences in the captioned patent application, wherein minor errors

have been corrected. The substitute computer readable form of the sequence listing is the same

as the substitute paper copy of the sequence listing. The sequence information provided in the

Specification is also the same as the sequence listing of the enclosed substitute computer

Please direct all future communications regarding this application as follows:

Matthew L. Madsen
HOWREY SIMON ARNOLD & WHITE, LLP
750 Bering Drive
Houston, Texas 77057-2198
(713) 787-1400

Respectfully submitted,

Patricia A. Kammerer
Reg. No. 29,775
Attorney for Assignee
INNOGENETICS N.V.

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Houston, Texas 77057-2198
(713) 787-1400

Date: Nov. 5, 2001

Raw Sequence Listing Error Summary

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: *09/943,983* |

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10 _____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) *1-28 (and more)* missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

```
           RAW SEQUENCE LISTING              DATE: 09/20/2001
           PATENT APPLICATION: US/09/943,983  TIME: 13:08:01

           Input Set : A:\ES.txt
           Output Set: N:\CRF3\09202001\I943983.raw
```

Does Not Comply
Corrected Diskette Needed

```
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    4        Louwagie, Joost
    5        Rossau, Rudi
    7 <120> TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE
EVERSE
    8        TRANSCRIPTASE GENE
   10 <130> FILE REFERENCE: 11362.0008.DVUS02 INNS008--3
   12 <140> CURRENT APPLICATION NUMBER: US/09/943,983
   13 <141> CURRENT FILING DATE: 2001-08-31
   15 <150> PRIOR APPLICATION NUMBER: 08/913,833 now US/6,087,093
   16 <151> PRIOR FILING DATE: 1997-09-15
   18 <150> PRIOR APPLICATION NUMBER: PCT/EP 97/00211
   19 <151> PRIOR FILING DATE: 1997-01-17
   21 <150> PRIOR APPLICATION NUMBER: EP 96870005.4
   22 <151> PRIOR FILING DATE: 1996-01-26
   24 <150> PRIOR APPLICATION NUMBER: EP 96870081.5
   25 <151> PRIOR FILING DATE: 1996-06-25
   27 <160> NUMBER OF SEQ ID NOS: 164
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   31 <210> SEQ ID NO: 1
   32 <211> LENGTH: 15
   33 <212> TYPE: DNA
   34 <213> ORGANISM: Artificial Sequence
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   36 <223> OTHER INFORMATION:
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   46 tgtacagaaa tggaa                                              15
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   52 <213> ORGANISM: Artificial sequence
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   54 <223> OTHER INFORMATION:
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   55 aaatggaaaa ggaag                                              15
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   63 <220> FEATURE:
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(global error)

see item 11 on Error Summary Sheet

RAW SEQUENCE LISTING   DATE: 09/20/2001
PATENT APPLICATION: US/09/943,983   TIME: 13:08:01

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.raw

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    73 gtcagagat ggaaa                                        15
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    95 <211> LENGTH: 14
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    97 <213> ORGANISM: Artificial sequence
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    109 gtacagagat ggaa                                       14
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                RAW SEQUENCE LISTING                    DATE: 09/20/2001
                PATENT APPLICATION:  US/09/943,983      TIME: 13:08:01

                Input Set : A:\ES.txt
                Output Set: N:\CRF3\09202001\I943983.raw

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                    RAW SEQUENCE LISTING              DATE: 09/20/2001
                    PATENT APPLICATION: US/09/943,983  TIME: 13:08:01

                    Input Set : A:\ES.txt
                    Output Set: N:\CRF3\09202001\I943983.raw

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   231 <212> TYPE: DNA
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   280 agaactggaa gagga                                      15
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The types of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

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                VERIFICATION SUMMARY              DATE: 09/20/2001
                PATENT APPLICATION: US/09/943,983   TIME: 13:08:02

                Input Set : A:\ES.txt
                Output Set: N:\CRF3\09202001\I943983.raw

.:12 M:270 C: Current Application Number differs, Replaced Current Application Number
.:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
.:36 M:258 W: Mandatory Feature missing, <220> FEATURE:
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VERIFICATION SUMMARY   DATE: 09/20/2001
PATENT APPLICATION: US/09/943,983   TIME: 13:08:02

Input Set : A:\ES.txt
Output Set: N:\CRF3\09202001\I943983.raw

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